

Subject: INFO-HAMS Digest V89 #948
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL

INFO-HAMS Digest Wed, 29 Nov 89 Volume 89 : Issue 948

Today's Topics:

 bobtail antenna
 Contests
 DDS Information Request
 Ham Personalities
 Heath Remote ANTenna Tuner
 iambic keyer question
 Info on TI SN16913P
 Military Callsigns
 Protecting Mobile Rigs

Date: 28 Nov 89 21:13:54 GMT
From: ogccse!littlei!foobar!jim@ucsd.edu (Jim Garver)
Subject: bobtail antenna
Message-ID: <364@foobar.hf.intel.com>

I am looking for a cheap and effective low angle radiating 80 & 40 meter antenna. I have come to the conclusion that a dipole on these bands, no matter how high, is really a beam pointed straight up. I keep coming back to the bobtail antenna as the best and easiest for my purposes. Has anybody had any experience with this type of antenna? I am inclined toward the 2 element version rather than 3 elements as I don't want the pattern too sharp. What is a bobtail antenna? Look in any antenna book. Basically a phased array of upside down verticals that don't need all those ground radials.

--
Jim Garver Intel Corp. <tektronix!psueea | uunet!littlei>!foobar!jim
WA7LDV Hillsboro, Oregon jim@foobar<.hf.intel.com|.uucp>

Date: 28 Nov 89 03:27:49 GMT
From: texbell!attctc!jolnet!arf@rutgers.edu (Jack Schmidling)
Subject: Contests
Message-ID: <2228@jolnet.ORK.IL.US>

amush/e14
Article 1290 (3 more) in rec.ham-radio:
From: LEY@UWSTOUT.BITNET ("James P. Ley")
Subject: Contests

>On occasion I hear "CQ Contest" on the air. I do not participate in contests myself and wonder whether I should answer the call and give the caller a contact or whether I would be a hinderance since I don't know all the numbers and things that the testers use and would thus slow him or here down.

>Any advice from testers?

ARF says:

The object is to try to engage the tester in an intelligent conversation.

You get 100 points for each second from initial contact until he says five nine in Fantasyland.

If you actually engage a tester in an intelligent conversation, you automatically win and the contest is cancelled.

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   |  A  |
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 |  Amateur  |
----| Radio Forum|----
/ Thurs 09:PM 3950 KHZ \
| Daily 10:AM 14313 KHZ |
|----- N R 9 Q -----|
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THE LIGHTHOUSE OF
WISDOM AND TRUTH

arf@jolnet
arf@chinet
arf@lopez

CONTESTS ARE FOR MUSH-BRAINS

Date: Wed, 29 Nov 89 13:26:01 EST
From: Doug Theriault <dtheriau@wellfleet.com>
Subject: DDS Information Request

Message-ID: <8911291826.AA03482@dt.Wellfleet.Com>

The November 09, 1989 edition of EDN magazine has an article on DDS and a list of companies with some modules. May help inform a few of you interested in learning what DDS is all about.

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=====
[ Doug H. Theriault      <dtheriau@wellfleet.com>      ARS: N01D ]
=====
[ Ham Radio - Surfing on the Ultimate Wave - Electro Magnetic ]
=====
[ uucp:      harvard!talcott!wellflt!dtheriau          ]
[ internet:  no1d@wellfleet.com                        ]
=====
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Date: Wed, 29 Nov 89 11:05:03 EST
From: "Charles W. Carrigan Jr." (PBMA) <carrigan@PICA.ARMY.MIL>
Subject: Ham Personalities
Message-ID: <8911291105.aa16849@COR3.PICA.ARMY.MIL>

Regarding interesting personalities who are hams, don't forget the radio/TV host/commentator Jean P. Shepard, K2ORS. Jean used to be listed from here in NJ but last time I saw, had a FL address.

Chuck (W2RK)

Date: Wed, 29 Nov 89 10:24:28 EST
From: Michael_Edelman%Wayne-MTS@um.cc.umich.edu
Subject: Heath Remote Antenna Tuner
Message-ID: <184351@Wayne-MTS>

The local Heathkit store, who were busy cleaning out non-computer and discontinued stock a few months back, still had one (*1*) remote antenna tuner in stock when I called- for only \$35! Not bad, off an original retail price of \$120+. I couldn't resist; I bought it. I had a few vague ideas about using it in a small loop antenna for perhaps 160, or some such, but I mainly bought it 'cause it was cheap.

SO: Any contented or creative users of this beast out there who'd like to share your experiences, suggestions and wild ideas? For those unfamiliar with this, it's simply a large air variable cap with a remote mechanism.

Mike Edelman
Wayne State University / 5925 Woodward / Detroit, MI 48202
Michael_Edelman@um.cc.umich.edu (reliable)
Michael_Edelman%Wayne-Mts@um.cc.umich.edu (direct)
MEDELMAN@WAYNEST1 / 1-313-577-0742 / fax: 1-313-577-5500

Date: 29 Nov 89 16:25:27 GMT
From: cs.utexas.edu!ut-emx!trey@tut.cis.ohio-state.edu (Trey Garlough)
Subject: iambic keyer question
Message-ID: <21568@ut-emx.UUCP>

In article <1709@cod.NOSC.MIL>, medin@cod.NOSC.MIL (Ted Medin) writes:
> As you set facing the keyer which paddle sends the dash ??

The paddle should be set so that when the sender presses with the thumb, the keyer produces a stream of dots. When the sender presses with the index finger, the keyer should send dashes.

Please note that the paddle configuration dependent on the handedness of the operator.

Trey Garlough
Computation Center, University of Texas, Austin, Texas 78712
trey@emx.CC.UTEXAS.EDU (internet) (512-471-3241)

Date: 29 Nov 89 19:39:45 GMT
From: wjc@athena.mit.edu (W J Chiarchiaro II)
Subject: Info on TI SN16913P
Message-ID: <1989Nov29.193945.25530@athena.mit.edu>

Does anyone in net-land have any information on an IC made by Texas Instruments called the SN16913P? There are two of them in one of my commercially-manufactured radios, but TI disavows any knowledge. Judging from the radio's schematic, the chip looks to be an RF mixer. I've seen the same chip in another radio made by a different manufacturer, therefore I don't think it's a custom part.

Thanks,

Bill
N1CPK

Date: Wed, 29 Nov 89 14:35:26 EST
From: mgb@tecnet.navy.mil
Subject: Military Callsigns
Message-ID: <8911291935.AA05766@tecnet.navy.mil>

Uucp: ...{gatech,ames,rutgers}!ncar!noao!asuvax!stjhmc!234!1!Jim.Grubs
Internet: Jim.Grubs@f1.n234.z1.fidonet.org
Jim Grubs writes:

*I guess you forgot that I didn't get testy until the issue got beyond the
*radio signals and became inquiring into bases and missions.

Which is something I still don't understand. Why did you get "testy"
because someone ASKED about the base and mission of a military callsign?
A question was asked, if it was inappropriate (in your mind or anyone
else's) then they or you did not have to answer. Did you bother to
query any military authorities on the legitimacy of such questions or
did you just decide on your own that this was not a good thing to ask?
It seems to me that asking a question should never in itself be condemned,
and that the only stupid question is the one that is not asked.

*Only if it involves snooping into other's private lives/business. I guess
*my hang-up is the mentality of the people engaged in the practice. I can't
*fathom why any moral, intelligent person would WANT to snoop like that.

Why do people climb mountains, jump out of airplanes and race cars? These
are not "immoral pursuits" but some question the intelligence of people
that do these things. To most people that use scanners, the thrill is
just in being able to HEAR things. Not the content per se, but the fact
that it "can be done". This is similar in a lot of ways to just normal
everyday ham radio. Some hams really don't enjoy ragchewing with people,
but instead enjoy the technical challenge of building and modifying the
station. To those that do listen to the police and other public service
agencies, they do so to keep informed of what is going on in their
community. U.S. law does not prohibit this, maybe you feel that it should,
but the idea here is that the minority has to go along with the majority.
If enough people echo your sentiments, then there may someday be a law
passed to that effect (however unenforcable it would be), but until then
it is not fair of anyone to CONDEMN and BLAST someone who is not breaking
the law. As to listening to phone calls, (or anything else) you have to
understand and accept that when it is sent via an omnidirectional RF system
it can be easily intercepted and overheard. The morality of those that do
this is really not germane. If you concern yourself with other peoples
morality, then you can look into their sex practices, their religion, and
a whole lot of other subjects that will ALWAYS lead to name calling and
hot tempers. I would like to see a degree of privacy inherent in cellular
telephones, but I have accepted as fact that this will never be the case

until they scramble. Discussions of the law, and people's morality will not prevent SOMEBODY from listening. Everyone on the net agrees that they should scramble because they LIKE the idea of a private conversation, but these same people ACCEPT that the current law will do LITTLE to prevent people from "tuning in". They would like private conversations but accept that if changing peoples morality is the vehicle chosen to attempt this, it is doomed to failure.

*No, it did not develop to the present blatancy until fairly recently.
*Before that, people voluntarily minded their own business simply because
*it was the polite thing to do.

In the early days of police radios, they used a range of frequencies directly above the commercial A.M. broadcast band. It was a very popular mod to "convert" a standard broadcast receiver into a "police monitor". Mods to do this were passed from hand to hand especially among amateur operators. The same thing was true for the frequencies that the cops were using. How do I know this? I talked to a rather old ham about this subject (callsign on request but not "posted") and he SHOWED ME SOME LISTS! As far as listening to and discussing other peoples business... well, are you saying that "people" didn't start doing this until recently? Have you ever heard the expression "this is a small town and everyone knows everything about everyone" or words to this effect? People have ALWAYS minded other peoples business however impolite it was to do so! This is human nature.

So the bottom line is that you consider people that own and listen to scanners to be "impolite" (depending on what they listen to). The definition of "polite" is broad enough that you could be correct. However how you discuss a subject and how you feel about others and express those feelings in a world wide forum also fall into the category of being "polite" or "impolite".

Interesting thought?

*But enough of this. Neither of us is going to change his mind, so why
*beat the issue to death?

This is a very good question. Do people post things with the intent of changing the minds of others? Somehow I doubt it. I think the idea is to exchange information and learn from the experiences of others. If nothing else, a lot of people saw a lot of different viewpoints expressed on this string and also gave a lot of thought on HOW to express their feelings in a logical manner without getting too emotional. Experience turned out to be a good teacher.

Mark Bitterlich

WA3JPY@WB4UOU
mgb@apg-tecnet.apg.army.mil

Date: 29 Nov 89 14:17:00 GMT
From: silver!commgrp@iuvox.cs.indiana.edu
Subject: Protecting Mobile Rigs
Message-ID: <12600084@silver>

ke8yy writes:

>There are two dangers- overcurrent, best protected by the rig itself,
>and overvoltage- which most rigs are designed to handle....

If you use a crowbar, put a bypass capacitor at the SCR gate to provide protection against tripping by fast transients and RF. I recommend double bypassing, i.e., large and small capacitors in parallel. (Large capacitors may look inductive at RF.) It wouldn't hurt to make the zener diode's resistor out of a series of resistors with capacitors to ground in between.

BTW, the linear regulator in my Icom power supply failed and put 30 volts on my IC-720. It quit working and the lights got very bright, but when I cleared the problem (a stray solder blob), the rig was undamaged.

--

Frank W9MKV reid@gold.bacs.indiana.edu

End of INFO-HAMS Digest V89 Issue #948
